



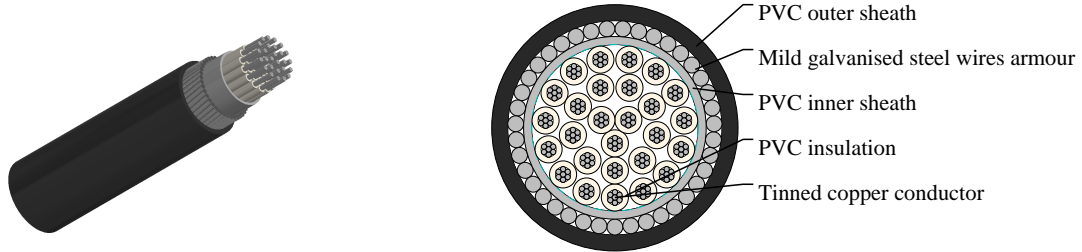
# Caledonian

Telecommunication cables

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

## Auxiliary Multicore Cables 600/1000V 27C2.5



### APPLICATIONS

Polyvinyl chloride insulated multicore cables for use by distribution and generation utilities for control, data or telecommunication applications to ENATS 09-6. Telecommunication cable is predominantly used in electrical instrumentation and communications.

### STANDARDS

ENATS 09-6 ISSUE 9

Flame Retardant : IEC 60332-3-24

### VOLTAGE RATING

600/1000 V

### CABLE CONSTRUCTION

Conductors : Strand(Class 2) tinned copper conductors to BS EN 60228.

Insulation : PVC insulation to BS7655.

Inner Sheath : PVC inner sheath.

Armouring : Mild galvanised steel wires to BS EN10257-1.

Outer Sheath : PVC outer sheath to BS7655.

### COLOUR CODE

Colour Code:White numbered

### PHYSICAL AND THERMAL PROPERTIES

PROPERTIES FOR CABLE:

Temperature Rating:70°C maximum conductor operating temperature.

Minimum Bending Radius:10 X O.D.

PROPERTIES FOR OUTER SHEATH:

Amount of halogen acid gas:HCl<15%

Sunlight Resistance:UL 1581 Section 1200

Temperature Installation:-5°C/50°C

Temperature Operating:-30°C/50°C

### Electrical Properties



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## ELECTRICAL DATA @ 20°C:

Conductor resistance (Stranded/Class 2):7.41  $\Omega$ /km(Max.)

Insulation resistance (Individual conductor):9 M $\Omega$ xkm(Min.)

Mutual capacitance 1kHz (Nominal equivalent star):440 nF/km(Max.)

## DIMENSION AND PARAMETERS

No. of Cores	Nominal Cross-sectional Area	Nominal Insulation Thickness	Nominal Inner Sheath Thickness	Diameter Over Inner Sheath (min.)	Nominal Armour Wire Diameter	Nominal Outer Sheath Thickness	Approx. Overall Diameter	Appr. Copper Weight
	mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	kg/km
27	2.5	0.7	1	30.18	2	2	38.18	3847